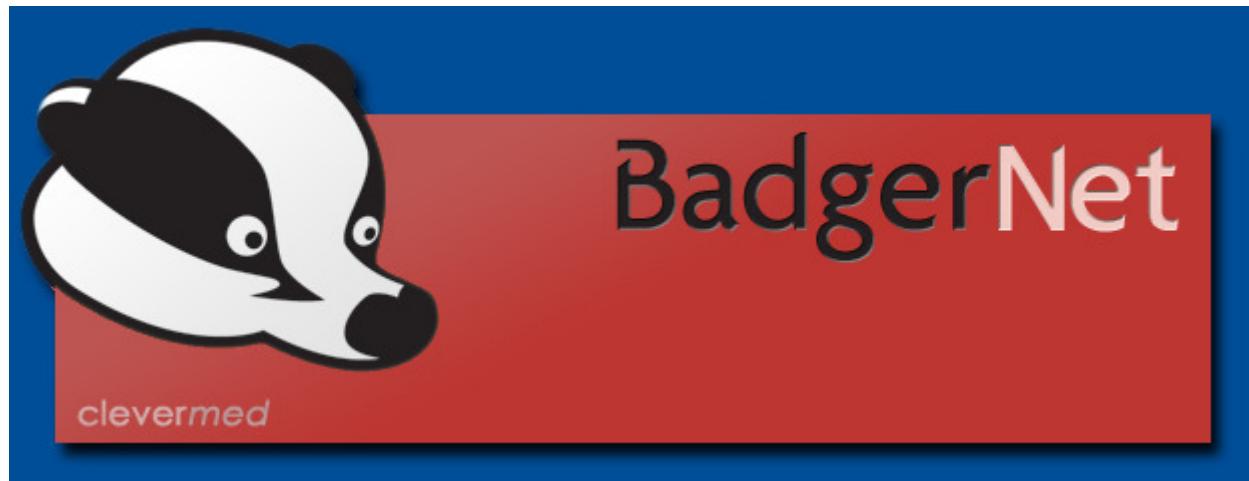


# User Manual



Link back to home page

The same as Badger3

## The new homepage

List of patients by various medical criteria.  
Previously available on the Data Quality tab

Patient Lists Unit Daily Update Data Quality Unit Reports Library Help  
UK Neonatal Patient Data Management  
National Neonatal Care Record System for the NHS throughout the UK  
N3 Perinatal Test Cloud

BadgerNet 

Previously on the Unit Reports Website

Patient Selection  
 Select existing baby care episode...  
Other BadgerNet Patients:  
 Switch to Maternity system

Select existing or add new baby

Help / User Guides  
 FAQ  


BadgerNet News  
 Latest BadgerNet news  


User Details  
 User log-in...

Service Desk  
Login in to access Service Desk  


Service desk access

UK Neonatal Configuration Updates  
[08 Nov 11 - Neonatal release notes...](#)  
[10 Oct 11 - Neonatal release notes...](#)  
[19 Sep 11 - Neonatal release notes...](#)

 Click here to log in...

TEST SYSTEM TEST SYSTEM

07 Dec 11 13:35

## Select existing baby

You can enter any text detail in the search box to search for patients; First name, Surname, partial name, NHS number

Other search options

Default Baby Search

Returned 3 results.

National ID	Name	DOB	Admitted	Discharged	Gest	BW
T:KTUYAHZPX1	SMITH, Toby	20 Oct 11	05 Dec 11		32	1200
T:7NKG34EX61	GOOGOO, Baby	02 Dec 11	02 Dec 11		26	760
T:GVKQ9SPI31	RUBBLE, Bambam	08 Nov 11	08 Nov 11		28	820

If you chose to 'Select no baby' the option to 'Create new baby care episode' will appear on the home page underneath the select baby option. Alternatively you can select 'Create new baby episode now' from this search box, this will open the same 'New Patient Care Episode' box

Create new baby episode now      Select no baby

Basic baby list parameters

List parameters

Care location All allowed

National / Local ID  
Surname  
Forename

DOB Range  
Admission Date Range  
Discharge Date Range  
Gestation at birth  
Birthweight Range

From To

Resulting list

Limit to 10 100 1000 10000 records

Save & Close Cancel

By clicking on 'List Parameters' you can now select to search the patient list by your chosen criteria

# New Patient Care Episode

This form is used to create a new admission. The key data required to create the admission are

- NHS Number
- Surname
- Date & Time of Admission

New Neonatal Admission

## New Patient Care Episode

Select type of care episode and core baby details below...

**New Care Episode**

Episode location: Default Trust name  
Episodetype: Neonatal Unit Admission

**Patient Essential Details**

NHS / CHI Number:  [NHS Create temporary National ID](#)

Baby's Local Hospital/Clinic/Episode ID:

Surname:

Forename:

Sex:  Female  Male  Indeterminate

Date and Time of Birth:  at

Birth Order:  of

Working Gestation:  Weeks  Days

Birthweight:  grams

**Neonatal Unit Admission**

Admission time:  at

Admitted from:   
[Admitted from this hospital](#)

Principal category of admission:

Principal Clinical Reason for admission:

You have the option to enter other key data at the point of creating the new admission such as basic birth details (formally found in the General Baby Details form) and principle admission details (formally found in the Admission details form).

Basic baby summary  
Previously in the left hand menu of the baby's home page

## Baby Home Page

The Baby Home Page interface is shown with several sections highlighted by red circles and arrows pointing to callout boxes explaining their previous locations.

- Clinical Summary:** Previously in the left hand menu of the baby's home page. It contains sections for On this date, Management to this date, Screening summary in stay to this date, Diagnosis to this date, and Drugs to this date.
- Details at birth:** Previously in the middle column of the main body of the baby's home page. It includes sections for Details at birth, Admission, Discharge, and Audit.
- During stay:** Previously in the middle column of the main body of the baby's home page. It lists Added comments, Previous Pregnancies, Pregnancy, Labour / Delivery, Parents, and a Daily summary data section.
- Ad-Hoc Event Forms:** Previously in the middle column of the main body of the baby's home page. It lists various medical procedures and tests.
- Daily Data Forms:** Previously at the top of the left column of the main body of the baby's home page. It lists daily summary data for dates from 08 Nov 11 to Today.
- NNAP Episodic Form:** Located in the center of the page, this form is associated with the Clinical Summary section.
- Data Quality Check Lists:** Previously located in the left hand column of the main body of the baby's home page. It lists Things to do, Details at Birth and Admission, Day Summary Forms, and Reminders.
- Key details:** Located at the bottom left, it lists Key details such as Admitted to unit 08 Nov 11 at 12:32, Today: Day 30 of life, Corr. gest. age is 32 weeks, 5 days, and Episode 1 of 1.
- Key events during stay:** Located at the bottom center, it lists Key events during stay such as No ROP Screening done during this stay.
- Reminders:** Located at the bottom right, it lists Reminders such as Update todays daily summary and ROP Screening due.

## Details at Birth

**Details at birth**

- Details at birth
- Previous Pregnancies
- Pregnancy
- Labour / Delivery
- Parents

The links in these lists now open one form with several tabs on it. In the old system these forms were separately listed under 'Baby and parents:', 'Pregnancy and delivery:' and the first episodic forms such as Admission details

The Baby Details tab (first in the list) contains the 'General Baby Details' elements such as demographics and basic birth details such as gestation. There is also a new 'Congenital malformations' section with two boxes, the first box labelled 'Diagnoses' uses the same pick list/search facility present in the Badger3 system, where you can click on diagnoses to generate a list. The second box labelled 'Notes' is free text for additional information.

**Admission**

- Admission details
- GP details
- CRIB II
- Newborn examination
- Admission Summary
- Centile Chart

The 'Newborn examination' links to a separate form identical to the one of the same name in Badger3.  
The 'Admission Summary' output link generates a printable document essentially the same as the one from Badger3.  
The 'Centile chart' generates a printable version of the Centile chart again the same as Badger3.

**Details at Birth and Admission**

T:GVKQ9SPI31 RUBBLE, Bambam  
Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.  
Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 39 of stay.  
Today (16 Dec 11): Day 39 of life. Corrected gestational age is 34 weeks, 0 days Working weight 835 grms

**Baby Details**

- Admission To Unit
- Parent Details
- Pregnancy Details
- Labour and Delivery
- GP and Professionals
- CRIB II
- Final Neonatal Outcome

**Baby's Identification**

NHS Number  Verified:   
[NHS Create temporary NHS Number](#)

Baby's Local Hospital ID   
Badger ID   
Surname   
Forename   
Other/Previous Surnames   
Sex  Female  Male  Indeterminate  
Non NHS patient  Yes (Overseas patients only. DO NOT use for UK residents)

**General information**

Birth Order  of   
Date and Time of Birth  at   
Place of birth   
[Place of birth is this hospital](#)  
Birth Location   
Agreed gestation at birth  Weeks  Days  
Birth weight  grams Between 5 and 10 centile  
Head Circumference at Birth  cm  
Length at Birth  cm  
Baby's blood group   
Vitamin K given   
Route of administration of vitamin K

**Congenital malformations**

Diagnoses   
Notes

[Print](#) [Audit trail...](#) [Previous Tab](#) [Next Tab](#) [Save & Close](#) [Cancel](#)

**Details at Birth and Admission**

**T:GVKQ9SPI31 RUBBLE, Bambam**

Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.  
Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 39 of stay.  
Today (16 Dec 11): Day 39 of life. Corrected gestational age is 34 weeks, 0 days Working weight 835 grms

**Baby Details**

**Admission To Unit**

Date and Time Admitted	08 Nov 11 at 12:32
Admitted to	Bradford Teaching Foundation Trust
Code:	RAE02
Neonatal Network	
Admitted from	Bradford Teaching Foundation Trust
Code:	RAE02
<input checked="" type="checkbox"/> Admitted from this hospital	
Admission type	Cannot Derive
Detail	

**Admission Details**

Principal category of admission	Neonatal intensive care
Admission weight	grams Centile:
<input type="button" value="Get birth weight"/>	
Admission Head Circumference	cms Centile:
<input type="button" value="Get birth head circ"/>	
Temperature measured after admission	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown When recorded
Temperature value	°C.
Temperature not recordable	<input type="radio"/> Yes (outside range of thermometer)
BP on admission	mmHg (Mean blood pressure)
HR on admission	per min
Resp rate on admission	per min
SaO <sub>2</sub> on admission	%
Blood glucose on admission	mmol/L
Parents seen by senior staff	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown Time first seen
Time first seen	
Principal Clinical Reason for admission	Preterm
Problems on admission	
Lead consultant	
Others consultants	
Admission notes	

**Buttons**

- 
- 
- 
- 
- 

The second tab 'Admission to Unit' holds most of the fields previously found on the 'Admission details form' on Badger3. This is the tab where you record the obs at admission including the all-important temp on admission. As before you can list the key reasons for admission and make free text admission notes.

The third tab 'Parent details' is the same as the parent details form on Badger3 except with the addition of the number of previous pregnancies question which used to be on a separate form.

**Details at Birth and Admission**

**T:GVKQ9SPI31 RUBBLE, Bambam**

Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.  
 Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 39 of stay.  
 Today (16 Dec 11): Day 39 of life. Corrected gestational age is 34 weeks, 0 days Working weight 835 grms

**Baby Details**

**Admission To Unit**

**Parent Details**

**Pregnancy Details**

**Labour and Delivery**

**GP and Professionals**

**CRIB II**

**Final Neonatal Outcome**

**Labour**

Onset of labour:  Spontaneous  Induced  None

Meconium Stained Liquor:  Yes  No

Labour history: [Text area]

Drugs in Labour: [Text area]

Date and Time Membranes Ruptured: [Text area] at [Text area]

Duration of Membrane Rupture: [Text area] Hours

Maternal pyrexia in labour more than 38C:  No  Yes  Unknown

Intrapartum antibiotics given:  No  Yes

**Delivery**

Presentation Immediately Before Delivery: [Text area]

Mode of Delivery:  Emergency caesarean - not in labour  
 Emergency caesarean - in labour  
 Elective section - not in labour  
 Elective section - in labour  
 Vaginal - forceps assisted  
 Vaginal - spontaneous  
 Vaginal - ventouse assisted

Baby delivered in water:  Yes  No

Condition at birth: [Text area]

Offensive liquor?:  No  Yes  Unknown

Apgar Score at 1 min:  0  1  2  3  4  5  6  7  8  9  10

Apgar Score at 5mins:  0  1  2  3  4  5  6  7  8  9  10

Apgar Score at 10mins:  0  1  2  3  4  5  6  7  8  9  10

Apgar Score at 20mins:  0  1  2  3  4  5  6  7  8  9  10

Was cord clamping immediate?:  Yes  No  Unknown Time from birth to clamp: [Text area] mins [Text area] secs

'Stripping' of blood from cord:  Yes  No  Unknown

**Resuscitation**

Resuscitation: [Text area]

Staff present at resuscitation: [Text area]

First gasp: [Text area] mins

Audit trail... Previous Tab Next Tab Save & Close Cancel

The fourth and fifth tabs 'Pregnancy Details' and 'Labour and Delivery' are essentially the same as the forms of the same names in Badger3

The sixth tab 'GP and Professionals' is again the same as the GP Details form in Badger3. You can still select to search for the GP details from the GP Database, the search box looks slightly different and now as well as being able to search by the surname or the postcode you can also search by any word in address such as a village or town name.

**Details at Birth and Admission****T:GVKQ9SPI31 RUBBLE, Bambam**

Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.  
Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 39 of stay.  
Today (16 Dec 11): Day 39 of life. Corrected gestational age is 34 weeks, 0 days Working weight 835 grms

Baby Details

Admission To Unit

Parent Details

Pregnancy Details

Labour and Delivery

GP and Professionals

CRIB II

Final Neonatal Outcome

Used to record the final outcome of any baby who has been transferred out from this unit or is still hospitalised at 1 year of age.

## Final Neonatal Unit Outcome

 Home    Ward    Died    Unknown

## Final outcome notes

[Previous Tab](#)

The seventh tab 'CRIB II' is a simple form where you can enter the details (Temp & worst base excess) to calculate the CRIB II score if you wish.

The eighth tab 'Final Neonatal Outcome' is the same final outcome selection previously featured in the Baby Details form. In addition there is now a free text box where you can add outcome notes.



## Discharge Details



The 'Discharge letter' printable output is currently identical to that in Badger3 and is generated from the 'Discharge details' link, previously 'General Discharge details' listed in the episodic forms on Badger3.

The 'Discharge details' form now has three tabs. Tab one 'Discharge details' includes basic discharge info such as date, time and discharge destination and the general milk, weight, oxygen, follow up details etc that were located in the middle of the discharge form on Badger3.

**Details at Discharge - Summary of stay details and discharge information.**

**T:GVKQ9SPI31 RUBBLE, Bambam**  
Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.  
Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 39 of stay.  
Today (16 Dec 11): Day 39 of life. Corrected gestational age is 34 weeks, 0 days Working weight 835 grms

**Discharge details**

**Discharge**

Date and Time of discharged or death  at

Discharge to

**Data at time of Discharge**

Discharge Address   
Discharge Postcode   
Weight  grams  
Length  cms  
Head Circumference  cms  
Milk at Discharge   
Enteral Feeding at Discharge   
Received own mothers milk during this admission  Yes  No  Unknown  Notapplicable  
Feeding Notes   
Oxygen at Discharge  Yes  No  
Apnoea/Cardiorespiratory/Saturation Monitoring at Discharge  Yes  No  
Drugs at Discharge

**Details at Discharge - Summary of stay details and discharge information.**

T:GVKQ9SPI31 RUBBLE, Bambam

Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.  
Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 39 of stay.  
Today (16 Dec 11): Day 39 of life. Corrected gestational age is 34 weeks, 0 days Working weight 835 grms

Discharge details

Discharge letter details

Discharge Diagnoses (VON)

**Principal Problems, Treatments, and procedures**

Principal Diagnoses

Active Problems at Discharge Notes

Treatments/Procedures during stay

Principal Procedures

Respiratory summary

Diagnoses

Audit trail... Previous Tab Next Tab Save & Close Cancel

Tab two 'Discharge letter details' is essentially the 'Clinical Summary of Stay' form but with the addition of the Principle Problems and Procedures section and the free text GP summary section from the discharge details on Badger3

**Details at Discharge - Summary of stay details and discharge information.**

T:GVKQ9SPI31 RUBBLE, Bambam

Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.  
Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 39 of stay.  
Today (16 Dec 11): Day 39 of life. Corrected gestational age is 34 weeks, 0 days Working weight 835 grms

Discharge details

Discharge letter details

Discharge Diagnoses (VON)

**Key diagnoses for audit**

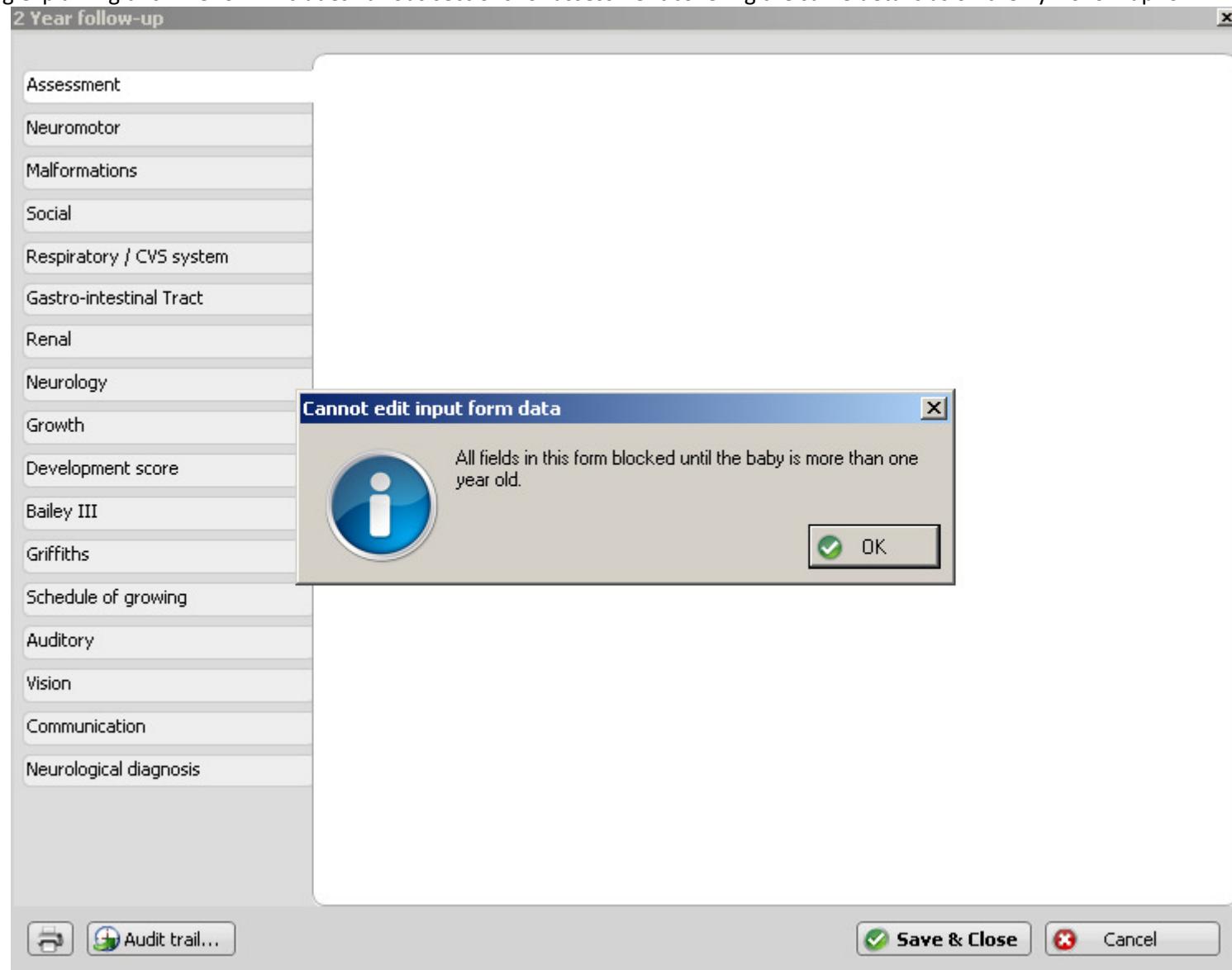
Based on the attached definitions (see ?) did the baby have these diagnoses - during this admission only:

Meconium Aspiration Syndrome	No	<input checked="" type="radio"/> Yes	<input type="radio"/> Unknown	?
Respiratory Distress Syndrome	No	<input type="radio"/> Yes	<input type="radio"/> Unknown	?
Transient tachypnoea of the newborn (TTN)	No	<input type="radio"/> Yes	<input type="radio"/> Unknown	?
Patient Ductus Arteriosus	No	<input type="radio"/> Yes	<input type="radio"/> Unknown	?
Necrotising Enterocolitis	No	<input type="radio"/> Yes	<input type="radio"/> Unknown	?
Focal Gastrointestinal Perforation	No	<input type="radio"/> Yes	<input type="radio"/> Unknown	?
Hypoxic ischaemic encephalopathy	No	<input type="radio"/> Yes	<input type="radio"/> Unknown	?
Periventricular leucomalacia	No	<input type="radio"/> Yes	<input type="radio"/> Unknown	?

Tab three 'Discharge Diagnoses (VON)' is a yes/no tick list of Key diagnoses for the Vermont Oxford Network.

## Two Year Follow Up

Also listed in the discharge section is the 2-year follow up form. This form cannot be populated until the baby is at least 1 year old; if you open it early it will present a warning explaining this. The form includes various sections for assessment covering the same details as on the 2yr follow up form in Badger3.



# Audit

The screenshot shows the 'Audit' section of a software interface. At the top left is a blue square icon with a white checkmark. To its right, the word 'Audit' is written in bold black text. Below this, there are two items in a list: 'Research projects' with a small blue square icon to its left, and 'National Neonatal Audit' with a small British flag icon to its left. A horizontal arrow points from the text 'The 'Research projects' link within the Audit section opens a form where you can record details of any studies the baby has been enrolled in.' towards the 'Research projects' item. Another arrow points from the text 'The 'National Neonatal Audit' link opens the NNAP episodic form which is the same as in Badger3, including the recent update that has made it a largely read-only form because the data is collected through the other main clinical forms.' towards the 'National Neonatal Audit' item.

**Audit**

- Research projects
- 🇬🇧 National Neonatal Audit

The 'Research projects' link within the Audit section opens a form where you can record details of any studies the baby has been enrolled in. This was previously at the bottom of the 'Clinical Summary of Stay' form in Badger3.

The 'National Neonatal Audit' link opens the NNAP episodic form which is the same as in Badger3, including the recent update that has made it a largely read-only form because the data is collected through the other main clinical forms.

The data quality checks that were in the left hand column of the baby's home page on Badger3 are now at the bottom of the page. There are two standard categories of checks; 'Things to do' and 'NNAP'. The missing details are listed under a heading of which form they are in and as with Badger3 if you click on the problem it takes you directly to where the data must be entered.

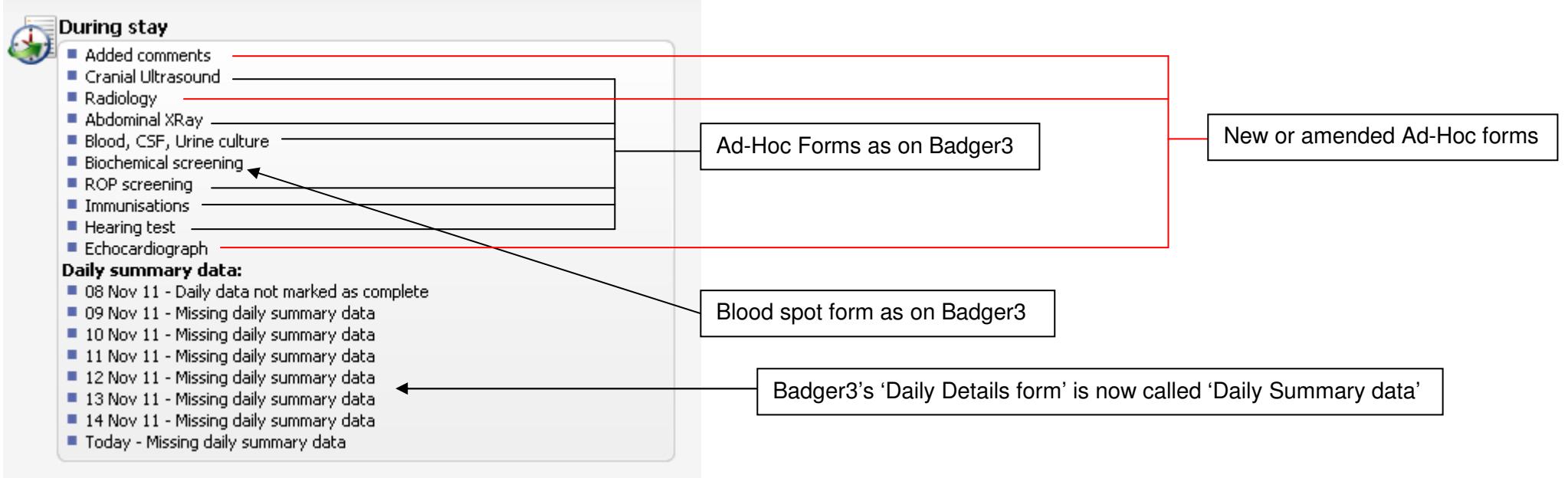
The screenshot shows a list of data quality checks under the heading 'Details at Birth and Admission'. Each item is preceded by a red asterisk and a small red circle icon. An arrow points from the text 'The data quality checks that were in the left hand column of the baby's home page on Badger3 are now at the bottom of the page. There are two standard categories of checks; 'Things to do' and 'NNAP'. The missing details are listed under a heading of which form they are in and as with Badger3 if you click on the problem it takes you directly to where the data must be entered.' towards this list.

**Details at Birth and Admission**

- ✖ Things to do
- ✖ NNAP

✖ Temperature measured after admission  
✖ Temperature value  
✖ Parents seen by senior staff  
✖ Mother's NHS Number  
✖ Intended place of delivery

## Ad-Hoc and Daily Details forms



## New forms

Added notes

T:GVKQ9SPI31 RUBBLE, Bambam  
Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.  
Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 41 of stay.  
Note Entry Day 19 Dec 11: Day 42 of life. Corrected gestational age is 34 weeks, 3 days Working weight 835 grms

Added Comment

Note date and time 19 Dec 11 at 11:57

Comment type Medical Nursing Daily care note

Notes

The 'added notes' facility was available in Badger3 and could most easily be found at the bottom of the list of Ad-Hoc forms. In the BadgerNet version 'added comments' you can now specify whether the note is a medical, nursing or a daily care note and record the date and time of the note (which was previously just recorded as 'today')

**Radiology****T:GVKQ9SPI31 RUBBLE, Bambam**

Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.

Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 41 of stay.

**Note Entry Day 19 Dec 11: Day 42 of life. Corrected gestational age is 34 weeks, 3 days Working weight 835 grms**Date and time performed **19 Dec 11** at 11:55

Investigation done

Notes

Notes for discharge letter

**New Form** – There is a new Ad-Hoc form called ‘Radiology’ available in BadgerNet. In this form you can select to record details about other radiological examinations not covered previously (Abdo Xray/USS and Cranial USS). There is a pick list to select the examination and then a free text box for notes. There is a separate free text box that allows you to add comments to the discharge letter.

**Echocardiograph****T:GVKQ9SPI31 RUBBLE, Bambam**

Baby boy, singleton, born 08 Nov 2011 11:24 at 28+4 weeks weighing 820 grams.

Admitted 08 Nov 2011 12:32 from Bradford Teaching Foundation Trust. Now in unit - day 41 of stay.

**Note Entry Day 19 Dec 11: Day 42 of life. Corrected gestational age is 34 weeks, 3 days Working weight 835 grms**Date **19 Dec 11** at 11:57

Comments

Test carried out by

Designation

**New Form** – There is also a new form called ‘Echocardiograph’. In this form there is a free text box for comments and a box to record who performed the test and their designation.

# Daily Summary Data

The layout of the daily details form has changed slightly in BadgerNet

There have been a few changes to the Daily Details form from Badger3. The obvious one is that now instead of one long form it has now been broken into sections which are split over different tabs displayed on the left hand side.

The first tab 'General Information' includes the top part of the old form; the location of care, daily weight, carer, nursing and monitoring status etc. In addition it now has two sections where you can record daily notes on any social issues and any parental communications. You can also add a comment to the discharge letter for these areas.

You can also navigate between tabs using these buttons

To sign a day off now you must click on the flag which will then turn green. All incomplete fields will then default to No/None etc

An overview of the data you've entered for the day will be displayed here.

You can navigate between tabs by clicking on the names of the tabs on the left side.

The second tab 'Respiratory' contains the details relating to respiratory support/complications etc mostly the same as the section in Badger3. Again you can make daily notes or add comments to the discharge letter.

General information

Respiratory

Ventilation / CPAP  
 No ventilation or CPAP  
 Ventilation via ET tube / tracheostomy  
 CPAP  
 Nasal ventilation

Added oxygen/Flow device  
With CPAP

Mode of ventilation  
Conventional   HFOV

Mode of CPAP  
nCPAP(prong or mask)

Nasopharyngeal Airway in situ  
Yes   No

Nitric oxide  
Yes   No

ECMO today  
Yes   No

Significant apnoea today  
Yes   No   

Pneumothorax today  
Yes   No

Chest drain present  
Yes   No

Tracheostomy present  
No   Acute   Chronic

Rebreather tube in situ  
Yes   No

Surfactant given today  
Yes   No   (Not including surfactant at resus)

Total surfactant dose given today  
mg

Daily comments

Comments for discharge summary  


There are still ? icons which you can click on for definition advice. They will tell you in exactly which circumstances you should select yes for this data item.

Most of the tabs contain the same details/questions as the form from Badger3 but with the addition of notes boxes.

The infection tab is slightly different (partly in support of line associated infection audits). You are now asked whether there is suspected sepsis or a confirmed diagnosis and whether treatment is being given for CoNS or other organisms.

The screenshot shows the 'Infection' tab of a clinical form. On the left is a vertical list of tabs: General information, Respiratory, Cardiovascular, Gastrointestinal, Neurology/NAS, Ophthalmology, Infections, Metabolic/ Jaundice, Haematological, Renal/Genitourinary, Skin, Fluids and Feeding, Other Problems, and Diagnosis, Procedures, and Drugs. Arrows point from the 'Infections' and 'Renal/Genitourinary' tabs to specific sections on the right. The 'Diagnosis' section contains a list of conditions: Suspected sepsis, Bacterial sepsis/septicaemia (Gram +ve), Bacterial sepsis/septicaemia (Gram -ve), Meningitis – bacterial, and Fungal infection. The 'Treatment for suspected/confirmed infection' section lists Coagulase negative staphylococci and Organisms other than CoNS. Below these are 'Daily comments' and 'Comments for discharge summary' sections with a help icon.

The Renal tab has been added to ask whether there is a urinary catheter present; this is due to the BAPM 2011 care levels having this as a criteria.

The new haematological, skin and other problems tabs have been added simply to allow free comment on these clinical areas. There are no questions to be answered simply free text boxes.

The screenshot shows the 'Other Problems' tab. It features 'Daily comments' and 'Comments for discharge summary' sections, each with a green border and a help icon. An arrow points from the explanatory text above to the 'Comments for discharge summary' section.

General information  
Respiratory  
Cardiovascular  
Gastrointestinal  
Neurology/NAS  
Ophthalmology  
Infections  
Metabolic/ Jaundice  
Haematological  
Renal/Genitourinary  
Skin  
Fluids and Feeding  
Other Problems  
Diagnosis, Procedures,  
and Drugs

## Fluids and feeding

Parenteral nutrition today (TPN)  Yes  No

IV glucose and electrolyte solutions  Yes  No

Enteral feeds today

Method of feeding

Additives

## Lines

Line in situ today

## Transfusions

Full exchange transfusion today  Yes  No

Partial (dilutional) exchange transfusion today  Yes  No

Blood products today

Daily comments

Comments for discharge summary



The Fluids and feeding tab now contains several sections from the previous version of the form. Here you must record the feeding and fluids of the day, the lines in situ and any transfusions that have taken place. The categories in these areas are the same and you can still pick multiple options where relevant, the difference is that now they are all drop lists. If you select other method of feeding now you cannot enter a free text description, it is vital that if the baby is receiving any form of tube feeding you do not simply select other as this will not count towards your care level calculation.

General information

Respiratory

Cardiovascular

Gastrointestinal

Neurology/NAS

Ophthalmology

Infections

Metabolic/ Jaundice

Haematological

Renal/Genitourinary

Skin

Fluids and Feeding

Other Problems

Diagnosis, Procedures, and Drugs

Diagnoses

Include yesterday's diagnoses

Ongoing management issues today

Operations / Procedures today

Investigations

Drugs given today

Get Yesterday's Drugs

IV drugs given today  Yes  No

Drug Infusion

Comments for discharge summary

The Diagnosis, Procedures and Drugs tab contains the drugs today section from the old version of the form (still with a search and select box and pull through from yesterday) but you can also select any infusions being given from a drop list. In addition there are new sections to record diagnoses to date (this is a search & select box), on-going management issues such as tube feeding, lines etc (also a search & select box), operations or procedures today (another search & select box) and investigations today such as cultures taken, radiology done etc (also a search & select box).

## Other start tabs

Under the basic baby summary you'll see there are three tab options, the first (default) tab is the 'Baby Home Page' but next to this are two other tabs 'Data Quality Checks' and 'Care Episode History'.

The screenshot shows the 'Patient journey for T:GVKQ9SPI31' for 'RUBBLE, Bambam'. The top navigation bar has three tabs: 'Baby Home Page' (selected), 'Data Quality Checks' (highlighted with a red arrow), and 'Care Episode History (1)'. On the left, a vertical menu includes 'start', 'notes', 'charts', and 'reports'. The main content area displays a summary for the admission on '08 Nov 11' at '12:32 (now viewing)' from 'Bradford Teaching Foundation Trust'. It lists 'Admission' details (RUBBLE, Bambam, Admitted 08 Nov 11 at 12:32, From Bradford Teaching Foundation Trust, BadgerNet ID: 5PKV, Hospital ID: RAE1234569), 'During stay' errors (1 Intensive care day, Not Ventilated, No diagnosis recorded, No drugs recorded, No ROP Screening done to date this stay), and 'Discharge' information (Neonatal unit admission (1), Now in unit - day 42 of stay, View discharge letter). Arrows point from the 'Data Quality Checks' tab label to the 'Data Quality Checks' tab in the header and to the error list in the main content area.

The 'Data Quality Checks' tab gives the full list of data quality errors for the baby, just like the summary on the home page, allowing you to link to the missing data.

The 'Care Episode History' displays the list (in order) of episodes for the baby. It presents a basic summary under the three headings of Admission, During stay and Discharge. So if a baby was transferred from Airedale to Bradford to Leeds and back to Airedale all four episodes would be displayed in the list with a basic summary, very similar to the summary presented in the left hand menu of the home page on Badger3.

## Notes tab

The 'Notes' tab located underneath the 'Start' tab is very similar to the 'Patient data' tab in Badger3. The 'Daily summary' tab at the top presents the daily data as if you had click on 'Daily data' at the bottom of the left hand menu on the 'Patient data' tab in Badger3.

You can also add any ad-hoc event forms or re-open the Daily summary by clicking on the links listed under common events.

Here you can view the right hand summary presented in any daily summary data form. Simply select the date you wish to view using the calendar and the summary will be presented in the middle while any additional notes (free text) or ad-hoc forms will be displayed on the right hand side.

You can re-open any of these forms for amendments by clicking on them here

The 'Full Notes View' allows you to see all forms completed for the admission instead of just forms for specific days.

The screenshot shows a software interface for managing patient admissions. On the left, there's a vertical toolbar with icons for 'start', 'notes', 'charts', and 'reports'. Below the toolbar is a 'Filter' dialog box. The 'Filter' dialog has a radio button for 'Show all' and several checkboxes: 'Daily summaries', 'Ophthalmology', 'Tests / Screening', 'Immunisations', 'Scans, XRay, Ultrasound' (which is checked), 'Abdominal XRay', and 'General comments'. A red arrow points from the text above to the 'Full Notes View' tab in the top navigation bar. Another red circle highlights the 'Full Notes View' tab itself. The main area displays a calendar for December 2011, with December 10th selected. To the right, two entries are shown: '10 Dec 2011 Day 33 of life. Radiology' and '18 Dec 2011 Day 41 of life. Radiology'. Each entry includes a timestamp, when it was done, what investigation was done, and a note.

A useful feature is the filter box which allows you to select which types of forms you wish to view (Radiology in the example). This would allow you to see all RoP forms completed by clicking Ophthalmology for example. Again you can re-open and edit any forms by clicking on them in the main screen.

## Charts tab

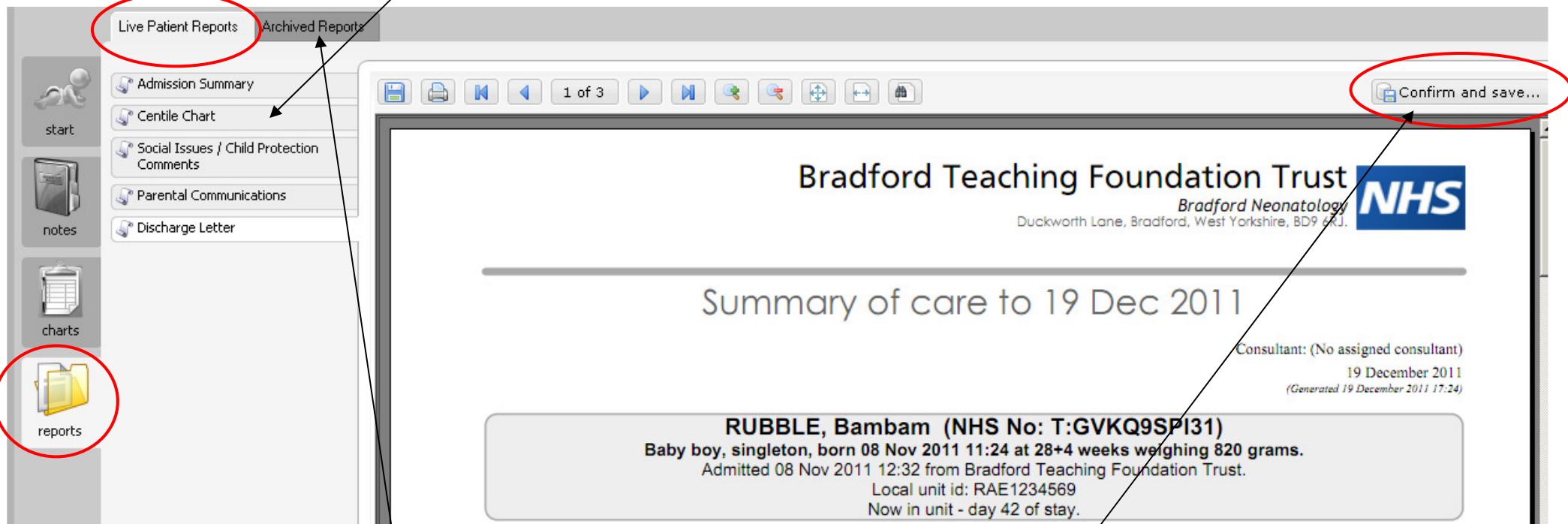
On the charts tab the user can access the Centile chart and a sequential data summary chart. The 'Daily summary data' chart lists the data recorded on a day to day basis for various fields and allows you to compare them easily.

The screenshot shows the 'Charts' tab interface. On the left is a vertical toolbar with icons for 'start', 'notes', 'charts' (which is circled in red), and 'reports'. The main area is titled 'General Information' and contains a table with rows for Date, Weight, Work wt, Head, Length, and a context menu item 'View as Trend'. Below this are sections for 'Respiration', 'Cardiovascular', 'Transfusions', 'Neurology', 'Lines', and 'Fluids and Feeding', each with a corresponding table row.

If you click on a row in the 'Daily summary data' chart you can also opt to view the data as Trend which plots a line across the days showing the change in values.

## Reports tab

The Reports tab allows you to view and print various outputs – it is similar to the left hand menu of the home page on Badger3. You can print the admission summary, centile chart and discharge letter from this view. In addition you can now print two new features; a sheet with all the social issue comments you've recorded and one with all the parental communications you've recorded.



Another new option is the 'Confirm and Save' button. You can opt to save a copy of any of these reports at any stage of the episode when you do this a static copy of the report to date will be created and stored in the 'Archived Reports' tab.

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